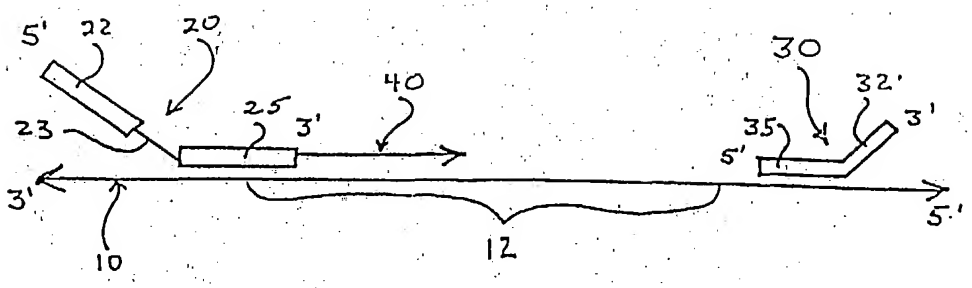

Fig. 1

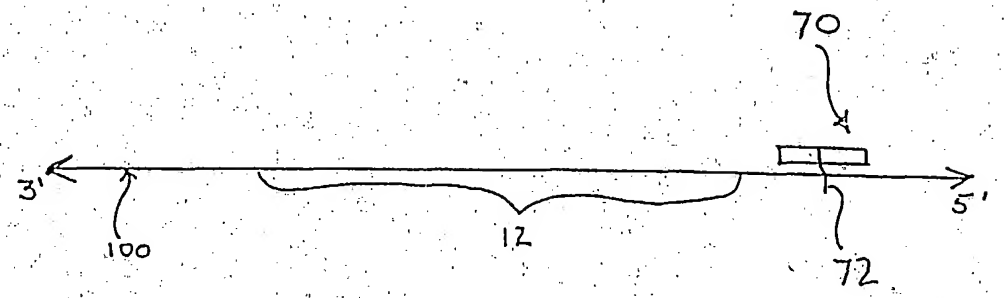

Fig. 2A

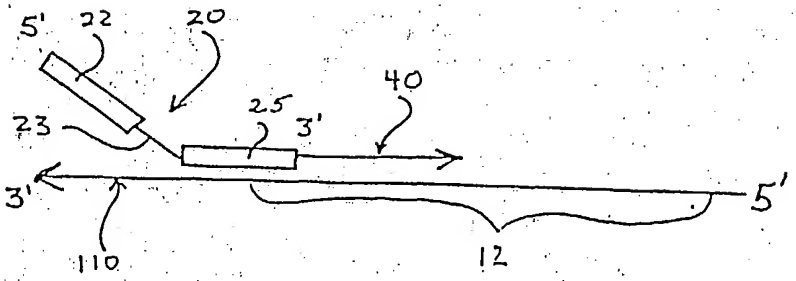

Fig. 2B

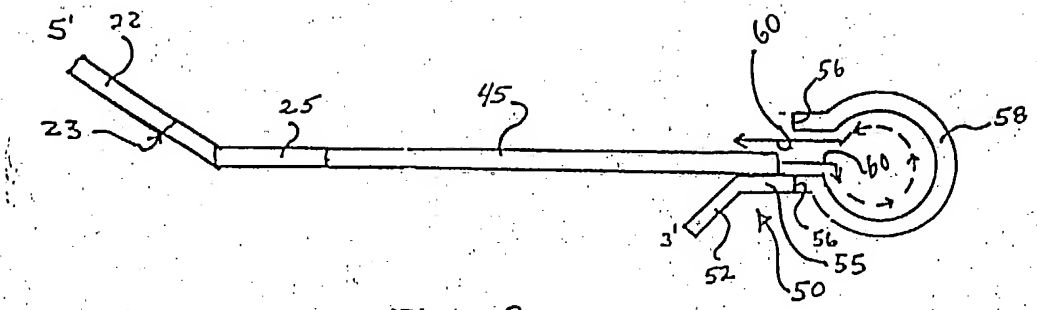

Fig. 3

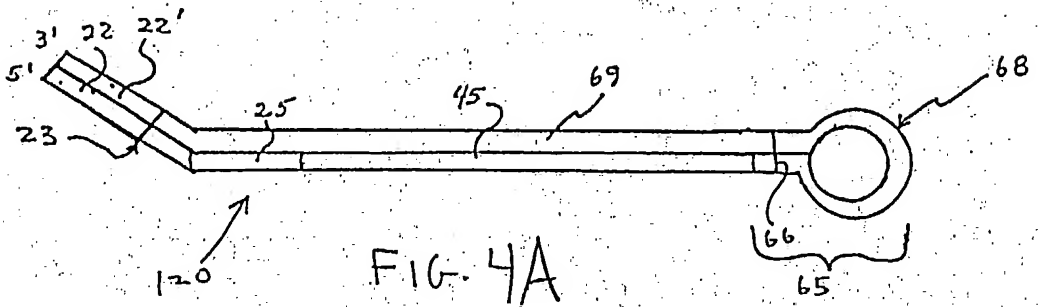

FIG. 4A

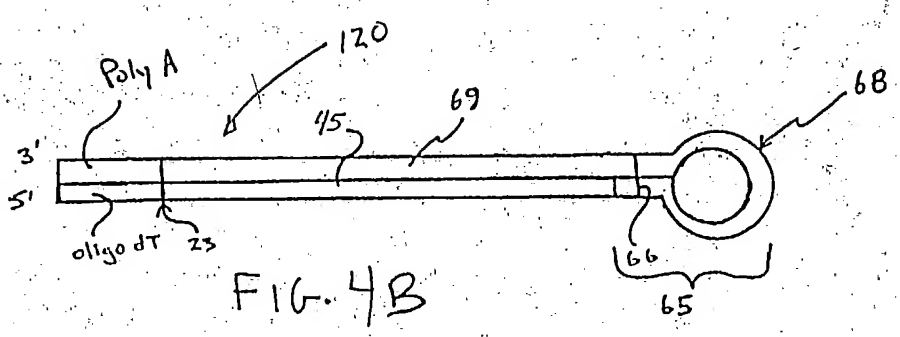

FIG. 4B

clones	SEQ ID NO.	FR1	CDR1	FR2
A7, B1, F8, G2	209	ESDGAVVQPGGSLRLSCAASGF	IFDDFAMH	WLRQVPGKGLQWVGL
C2, E6	210	QPGGSLRLSCAASGF	TLSSSAMS	WVRQAPGKGLEFVAV
A4	211	QPGGSLRLSCAASGF	TLSSSAMS	WVRQAPGKGLEFVAV
F6	212	AWYSRGSPCLSCAASGF	TLSSSAMS	WVRQAPGKGLEFVAV
E9, G7	213	ESDPGLVKPSETPSLTCTVSGG	SISSTMYFWG	WIRQPPGKGLEWIAS
F3, G4	214	PGLVKPSETLSLTCTVSGG	SISNIMYFWG	WIRQPPGKGLEWIAS
A12, B5, B8, B9	215	ESDPGLVQPSQTLSLTCTVSGG	SLRSDDYYWS	WIRQSPGKGLEWIAY
E8	216	PVQPLEF	TFTDHWMH	WVRQAPGKGLVWLAR
F7	217	ESEGGLVQPGGSLRLSCAASGF	TFSSYAMT	WVRQAPGKGLEWVST
E11	218	LAGVEVVQPGGSLRLSCAASGF	TFDDYAMH	WLRQIPGKGLQWVSL

Figure 5A

clones	CDR2	FR3
A7, B1, F8, G2	MSWDGVSAYYADSVEG	RFTISRDNKKNALYLQMNSLGVEDTALYYCAK
C2, E6	SSGNGFSTYYGDSVKG	RFTISRDNSKNMVYLQMDSLRAEDTAKYHCAK
A4	SSGNGFSTYYGDSVKG	RFTISRDNSKNMVYLQMDSLRAEDTAKYHCAK
F6	SSGNGFSTYYGDSVKG	RFTISRDNSKNMVYLQMDSLRAEDTAKYHCAK
E9, G7	IYYSGTT-YYNPSLRS	RVTMSVDTSKNQLSLKLNSVTAADTAVYYCAR
F3, G4	IYYSGTT-YYNPSLRS	RVTMSVDTSKNQLSLKLNSVTAADTAVYYCAR
A12, B5, B8, B9	ISYTGGT-YYNPSLKS	RVTISVDTSRNQFSLRLRSVTAADSAVYFCAS
E8	INRDGSDTTYADSVTG	RFTISRDNGKNTVSLQMDSLSVDDTAVYYCAR
F7	MTGSGGVTYYADVLKG	RFTISRDNSKNTLYLQMNSLRAEDTAVYYCAK
E11	LSWDGVSAYYADSVEG	RFTISRDNKKNSLYLQMNSLRAEDVALYYCAK

Figure 5B

clones	CDR3	FR4
A7, B1, F8, G2	DMGGGLRFPHF	WGQGTPVTVSA
C2, E6	VRYGPRSHFFFDP	WGQGTLVTVSS
A4	VRYGPRSHFFFDP	WGPGNPGHRLL
F6	VRYGPRSHFFFDP	WGQGTLVTVSS
E9, G7	PTIYYFDGRTSYYPGEAAFDI	WGQGTTV
F3, G4	PTIYYFDGRTSYYPGEAAFDI	WGQGTTVTV
A12, B5, B8, B9	TTAVTTTFDY	WGRGTLVTVS
E8	GGEHTVLSPLSNWFDP	WGQGTLVTVS
F7	GYGLFDY	WGQGTLVTVS
E11	DMGGAQRLPDH	WGQGTLVTVSS

Figure 5C

clones	SEQ ID NO.	FR1	CDR1	FR2
4D, 10C, 4G	219	GGGLVQPGASVKVSCKASGY	TFSDYFMH	CVRQAPGQGLEWMGL
8A	220	RCPAKLLDT	PFSVYFMH	WVRQAPGQGLEWMGL
3G	221	RCPAKLLDT	PSGDYFMH	WVRQAPGQGLEWMGL
1A	222	SGGLVQRGAKVLRLSCVASGF	TFSSSAMS	WVRQAPGKGLEWVSV
7H	223	LGS	PYSSSAMS	WVRQAPGKGLE?VSF
6F	224	VESGGVVQPGAKVLRLSCAASGF	SFEDYAMH	WVRQPPGKGLEWVAL
4F	225	AASGF	IFDDFAMH	WFQAVPGKGLQWVGL
5A	226	FWLGGPWRLSCAVSGY	TLSSSAMI	WVRQPPGKGLEFVSV
1D	227	GGGLVQPGASLRLSCVASGF	TLSSSAMS	CVRQAPGKGLEWVSV
7E	228	WGRRGPAWGVPVGSPVQPLGY	TFDDYAMH	WLRQIPGKGLQWVSL
9E	229	WTGGGVVQPGGSLRVSVAASGY	TFDDYAMH	WLRQIPGKGLQWVSL
12B	230	AESGGGVVQPGGSLRLSCAASGF	TFSRYTLS	WVRQAPGKGLEWVSY

Figure 6A

clones	CDR2	FR3
4D, 10C, 4G	VNPTNGYTAYAPKFQG	RVTMTRQRFTSTVYMELSSLRSEDTAVYFCAR
8A	VNPTNGYTAYAPKFQG	RVTMTRQRFTSTVYMELSSLRSEDTAVYFCAR
3G	VNPTNGYTAYAPKFQG	RVTMTRQRFTSTVYMELSSLRSEDTAVYFCAR
1A	ISGNGFSTYYADSVK	RFTISRDNSKNTLYLQMNSLRAEDTAEYYCTK
7H	IS?NGLSAYYADSVKG	RFTISRDNS?NTVYLQMNSLRSEDTAEYYCVK
6F	ISWDVISAYYADSVKG	RFTISRDNSKNSLYLQMDSLRPEDSGLYYCGR
4F	MSWDGVSAYYADSVEG	RFTISRDNKKNALYLQMNSLGVEDTALYFCAK
5A	ISGNGLSAYYADSVKG	RFTISRDNSKNTVYLQMNSLRAEDTAEYYCVK
1D	SSGNGFSAYYADSVKG	RFTISRDNSKNTLYLQMNSLVAEDTAEYYCTK
7E	LSWDGVSAYYADSVEG	RFTISRDNKKNSLYLQMNSLVAEDTALYFCAK
9E	LSWDGVSAYYADSVEG	RFTISRDN?KNSLYLQMNSLIAEDTALYFCAK
12B	ISTDGSTIYYTDSVKG	RFTISRDNAKNSLSLQMISLRDEDTAVYYCAR

Figure 6B

clones	CDR3	FR4
4D, 10C, 4G	VKSSDSIDAFDI	WGQGTMVTVSS
8A	VKSSDSIDAFDI	WGQGTMVTVSS
3G	VKSSDSIDAFDI	WGQGTMVTVSS
1A	VKYGSGSHFWFDP	WGQGTLVTVSS
7H	V?YGSRSHF	
6F	DIGQQRTMDV	WGQGTTVTVSS
4F	DMGGGLRFPHF	WGQGTPVTVSA
5A	VKYGSRSHFFFDS	WGQGTLVSVSP
1D	VNYGSRSHFYFGS	WGHGTLVIVSS
7E	DMGGAQRLPDH	WGQGTLVTVSS
9E	DMGGAQRLPDH	WGQGTLVTVSS
12B	VFFGGNFRAHWYFDL	WGRGTLVAVSS

Figure 6C